

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A system for digitization of field service engineering work processes in a power plant having a gas turbine, comprising:

at least one processor system having a controller, said at least one processor system receiving power plant data, and said controller controlling said gas turbine;

at least one wireless communications interface device communicatively coupled to said at least one processor system for wirelessly communicating the data received from the power plant by the processor system to at least one of a wireless mobile computer system or a wireless computer ~~system~~ device carried by a mobile user[[:]], said controller ~~capable of receiving~~ configured to receive instructions from at least one of said wireless mobile computer system or said wireless computer ~~system~~ device carried by a mobile user to control the gas turbine, ~~wherein~~ enabling field service engineering work processes including inspection, monitoring and controlling a power plant gas turbine ~~may be~~ to be performed using said mobile computer system or said wireless computer system carried by said mobile user; ~~and~~

a local area network (LAN) ~~in communication with said at least one wireless communications interface device~~ including at least one wireless network comprising a wireless hub router and one or more wireless communication devices wherein at least one of said wire communication devices is the wireless computer device carried by said mobile user;

a voice-over-Internet-protocol (VOIP) gateway coupled to said LAN;

at least one terrestrial orbiting satellite antenna assembly having a transceiver system for transmitting and receiving signals from said at least one wireless communications interface device; and

a network server computer system communicatively coupled to said at least one terrestrial orbiting satellite communications antenna assembly via a wide area communication network, said server computer system including a database for storing application data accessible by the mobile user[[,]];

wherein said system for digitization of field service engineering processes enables a mobile user roving on site at a power plant location remote from the network server computer system-may to wirelessly communicate with both said gas turbine controller and said network server and to engage in two-way voice communications with other remote users communicatively coupled to said system for digitization by using VOIP communcations for performing service engineering work processes including uploading and/or downloading computer software applications and data for performing inspection, operation or control of one or more gas turbine processes.

2. (Previously Presented) The system of claim 1 wherein said at least one wireless communications interface device is a wireless access point device, and said wireless computer system carried by said mobile user is a wearable computer.

3. (Original) The system of claim 2 wherein said access point device is capable of communicating the data received from the processor system to the server computer via said LAN.

Claim 4 (Canceled)

5. (Currently Amended) The system of claim [[4]] 1 wherein said LAN is linked to said at least one terrestrial orbiting satellite communications antenna assembly via an internet protocol (IP) data interface.

6. (Currently Amended) The system of claim 5 further comprises:
a private branch exchange network (PBX) coupled to said VOIP gateway;
~~a voice over IP (VOIP) gateway coupled to said PBX~~; and
an ethernet interface coupled to said VOIP gateway and said IP data interface.

7. (Previously Presented) The system of claim 1 wherein said network server computer system comprises:

at least one router; and
an ATM network communicatively coupled to said at least one router.

8. (Previously Presented) The system of claim 7 further comprises:
a wide area network (WAN) coupled to said at least one router for communicating data from said network server computer system to said terrestrial orbiting satellite communications antenna assembly via an orbiting satellite.

9. (Previously Presented) The system of claim 2 wherein said wireless access point device is capable of operating on DC power.

10. (Currently Amended) A field engineering communication network for enabling a mobile field service engineer working at a power plant having a gas turbine to engage in two-way voice communications with other persons communicatively coupled to the network and to monitor operational parameters of the gas turbine and to upload and/or download computer software applications and operational parameter data to/from a remote server for performing on-site inspection, operation or control of the gas turbine via a wireless mobile device, said network comprising:

a controller processor system at said power plant to control the gas turbine; ~~and~~
a local area network (LAN) communicatively coupled to a remote field service engineering server and including at least one wireless communications access point interface communicatively coupled to said controller processor system, said interface communicating wirelessly with at least one of a wireless mobile computing system and a wireless wearable computer carried by a mobile user, said controller processor system providing operational parameter data and receiving instructions from at least one of said wireless mobile computing system and a wireless wearable computer carried by a mobile user for performing on-site inspection, operation or control of the gas turbine, wherein appropriate computer software applications, control data or instructions for controlling the operation of the gas turbine ~~may~~ can be provided to at least one of said mobile unit and a wearable computer via wireless communications from a remote server field service engineering database; and

a voice-over-internet-protocol (VOIP) gateway coupled to said LAN for enabling two-way voice communications over said network between said mobile field service engineering database and at least one other user communicatively coupled to said VOIP gateway.

11. (Currently Amended) The system of claim 10 further comprises:
a local area network(LAN) in communication with said at least one wireless communications access point interface;
at least one terrestrial satellite communications ~~antenna assembly having a transceiver~~ system communicatively coupled to said LAN for transmitting and receiving signals to and from said at least one wireless communications access point interface; and
at least one network server computer system communicatively coupled to said at least one terrestrial satellite communications ~~antenna assembly~~ system via an orbiting satellite communication link, said server computer system including a database for storing application data accessible by the mobile user.

Claim 12 (Canceled)

13. (Currently Amended) The system of claim ~~[[12]]~~ 10 wherein said wireless network is linked to said at least one terrestrial satellite communications antenna assembly via an internet protocol (IP) data interface.

14. (Currently Amended) The system of claim 13 further comprises:
a private branch exchange network (PBX) coupled to said VOIP gateway;

~~a voice over IP (VOIP) gateway coupled to said PBX; and~~

an ethernet interface coupled to said VOIP gateway and said IP data interface.

15. (Previously Presented) The system of claim 11 wherein said server computer system comprises:

at least one router;

a packet switching network communicatively coupled to said at least one router; and

a wide area network (WAN) coupled to said at least one router for communicating data from said server computer system to said terrestrial satellite communications antenna assembly.

Claims 16-28 (Canceled)